

19981203.ba v02_n326.bam.981203

>From ???@??? Thu Dec 03 06:29:20 1998
Message-Id: <199812030836.CAA17277@sco.theporch.com>
Date: Thu, 3 Dec 1998 02:35:33 CST
Subject: BOATANCHORS digest 2326

BOATANCHORS Digest 2326

Topics covered in this issue include:

- 1) TS-34 SCOPE
by "ROBERT W. DOWNS" <RWDwns_WA5CAB@compuserve.com>
- 2) 6m AM needs
by ke4ooo@juno.com
- 3) Telefunken Schematic
by Kevin Thomas <kg9il@mc.net>
- 4) Re: Sonobouy frequencities?
by rcote <rcote@pixi.com>
- 5) tube question
by Steve Modena <ab4el@MindSpring.com>
- 6) 100 mf 450 V caps
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 7) Re:Hickok 6000A
by Jderm740@aol.com
- 8) WTB: Stancor PA8421 Transformer
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 9) Re: Sparton age
by Norm Flasch <flasch@cushy.ece.nwu.edu>
- 10) WWVC manual
by GIBSON@ASTMAG.LBL.GOV
- 11) Re: WTB: Cable set for AN/URM-25D
by Ken Corwin <kenc2@pacbell.net>
- 12) Boatanchors Archive
by Ken Corwin <kenc2@pacbell.net>
- 13) Low drive on Viking Ranger
by W4UOC@aol.com
- 14) BC-611 info needed
by w2ec@VNET.IBM.COM
- 15) Re: BOATANCHORS digest 2325
by Dexter Francis <cwest@xmission.com>
- 16) Help with Gonset 151 FM Communicator.
by Dexter Francis <cwest@xmission.com>
- 17) Re: BC-611 info needed
by Al Klase <skywaves@bw.webex.net>
- 18) Re: BC-611 info needed
by w2ec@VNET.IBM.COM
- 19) Re: BC-611 info needed

- by "Mike B. Feher" <n4fs@monmouth.com>
- 20) WTB: Hints & Kinks 3rd Edition
by JONWEINER@aol.com
 - 21) Crystal for KWM-2
by DCrespy@aol.com
 - 22) Re: Low drive on Viking Ranger
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
 - 23) Transistor - Vibrator Replacement
by "Gretchen" <rbrunner@gis.net>
 - 24) re: numbers on military equipment
by Kargokult@aol.com
 - 25) Re: Sonobouy frequencies?
by rcote <rcote@pixi.com>

Date: Tue, 1 Dec 1998 22:58:04 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: TS-34 SCOPE
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199812012258_MC2-6228-40F5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

If anyone is looking for a TS-34/AP oscilloscope, they should get Dave's case plus scope less CRT plus my scope less case plus CRT. :-) Seriously=

,
I don't collect Radar equipment and have several items including the TS-34/AP which I would like to find a nice home for, as even with my space,
I'm running out of room and can't bring myself to consign any of it to the recycling bin.

73,
Robert Downs
WA5CAB

From: ke4ooo@juno.com
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 1 Dec 1998 23:01:33 -0500
Subject: 6m AM needs
Message-ID: <19981201.230136.-105103.3.ke4ooo@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hey Gang,

Does anyone have a coaxial relay that I could buy? I need one with 110v coil and SO-239 connectors so I can hook my Seneca to my Interceptor. I have been looking around and haven't found any local. Please e-mail me direct if you have one to sell.

73,
Greg
ke4ooo

Greg Parsons ke4ooo@juno.com
AMI #865 DoD 862 Who has the coffee? Better yet, who has the
Ale8one?
NRA Life, SCCA, SCA <http://www.stdio.com/~gregp>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <3664C29E.64F5@mc.net>
Date: Tue, 01 Dec 1998 22:31:26 -0600
From: Kevin Thomas <kg9il@mc.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Telefunken Schematic
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

a BIG THANKS to all who responded today on my request for the schematic.... my brother and I will be looking into all advice in the next day or two...

73 de Kevin KG9IL and Mark KB9LIO

Message-ID: <3664F775.3DE81FAB@pixi.com>
Date: Tue, 01 Dec 1998 22:16:53 -1000
From: rcote <rcote@pixi.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Sonobouy frequencies?
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Tom and all!

We (at the University of Hawaii) still use them once in a while. I have a couple manuals, but need the model number if it is available. IT is on the plastic shipping case they come in or it is stenciled on the outside of the unit. SSQ-47 or something like that. I will get the books out and post the frequencies soonest.

We have to modify the launching a bit as we throw it off the stern of our ship. We deploy the antenna manually, pound the base with a large mallet to loosen the drogue metal wings that spin while it falls from the plane. We don't need it to "fly" down to the ocean. By removing the "wings" the hydrophones (plural) are held in hand while we toss it in the ocean.. Oh yes, we also plug the hole with tape so it does not flood and sink as we have to hear it for quite a while.

Ray in Honolulu

Thomas A. Adams wrote:

>
> Greetings, Troops.
>
> While poking around in the shop, I ran into something REALLY odd that I
> forgot I had; several US Navy sonobouys.
>
> For the uninitiated, a sonobouy is an aluminum cylinder about 4" in
> diameter and maybe 3 feet long that is dropped by maritime patrol aircraft
> while hunting for submarines. When it hits the water, several things happen
> as it floats upright on the surface.
>
> --- A plastic cap comes off of the top end, and a slim, spring loaded mast
> pops up, deploying a high VHF ground plane antenna made from steel
> measuring tape material.
>
> --- Another plastic cap pops off the lower end, dropping an underwater
> microphone on a couple of hundred feet of cable coiled up inside.
>
> --- Seawater hits a water activated battery, providing 24 VDC and
> activating an FM transmitter inside, relaying what the microphone hears to
> a receiver aboard the circling patrol plane.
>
> --- A red dye marker inside starts to dissolve, giving the pilot a visual
> reference of the sonobouy's position.
>
> --- A water soluble plug starts to dissolve. When it finally melts (a
> couple of hours), the floatation chamber fills with water, putting the

> transmitter off the air by sinking the entire sonobouy.
>
> The units I have are both low voltage plate tube and all transistor jobs,
> crystal controlled. Unfortunately, the crystals are marked with channel
> numbers rather than frequencies. Measurements of the ground plane elements
> tell me these thing operate in the 160 - 170 MHz range. I'd rather not fire
> them up and take a counter measurement to find out where they are; the Navy
> probably still uses these channels, and I don't like the idea of a P-3
> Orion coming in low over the antenna farm. That sort of thing is hard on
> the dipoles, and the neighbors tend to get upset over the noise of low
> flying four engine turboprops. Besides, the YL would go ballistic about the
> dye marker stains in the bathtub when I dunk 'em to turn 'em on. <<grin>>
>
> Anybody out there got a list of sonobouy channel assignments? I doubt that
> the info is classified; these things appear to be late 1950s / early 1960s
> vintage.
>
>
> 73's,
>
>
> Tom, W9LBB

--

Raymond CÙtÈ
1405 Dominis ST #105
Honolulu, HI 96822-3213

Message-Id: <3.0.32.19981202033932.00e38218@mindspring.com>
Date: Wed, 02 Dec 1998 03:39:35 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Steve Modena <ab4el@MindSpring.com>
Subject: tube question
Cc: glowbugs@piobaire.mines.uidaho.edu, homebrew@qth.net,
BOATANCHORS@LISTSERV.TEMPE.GOV, k12a@worldnet.att.net
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm forwarding the following note to several elists that might have
interested parties.

If you have any thoughts, please reply *privately* **directly**
to the correspondant. Thank you. 73/Steve/AB4EL

-----Cut Here-----

>Date: Tue, 01 Dec 1998 22:35:32 +0000
>From: Jon Kimball <kl2a@worldnet.att.net> <== email to him
>To: modena@metalab.unc.edu
Subject: tube question

I am searching for a place to sell my tubes.
Lots of em'...200 or so..all sizes shapes and
colors, etc...grandpa left em, and I know there
worth more than give away stuff...

jon
st thomas, us virgin islands

Message-Id: <199812021403.GAA05336@crow.prod.itd.earthlink.net>
Subject: 100 mf 450 V caps
Date: Wed, 2 Dec 1998 08:03:29 -0600
From: "Joseph W. Pinner" <kc5ijd@sprintmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Looks like I may need some 100 mf 450 V electrolytics.

I know this has been discussed previously, but I must not have archived
it.

Where is a good place to look for these.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@sprintmail.com

From: Jderm740@aol.com
Message-ID: <7424c41e.36654eab@aol.com>
Date: Wed, 2 Dec 1998 09:28:59 EST
To: Old Tube Radios <boatanchors@theporch.com>
Cc: gds@digitalexp.com
Mime-Version: 1.0
Subject: Re:Hickok 6000A
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Jim

The adapter you need is the Hickok 1050-145. I am trying to find one of these for myself. What I do have is, the books for obsolete tubes and another for European tubes. If you need copies let me know. At one time I could make copies free but, since I retired I now have to charge my costs per page. Usually about \$.05 each.

If you get ARC, check one of the ads near the rear for a Wendell E. Hall who makes adaptors for these testers. He is very slow because of his age. I sent him a check for one months ago but he seems to be backed up.

HE HASN'T CASHED THE CHECK so I can't complain too much.

If you want more info contact me.

Jack

Message-ID: <21B46CBD022AD1118F0500805F15A068CA23C5@STPMSX05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Stancor PA8421 Transformer
Date: Wed, 2 Dec 1998 09:04:38 -0600
MIME-Version: 1.0
Content-Type: text/plain

Want to buy one or two Stancor PA8421 transformers for a small receiver project. I don't have the specs in front of me but I believe they are 125 VAC @50ma, 6.3 VAC @2.5A. Any out there? Thanks.

73, Scott WA9WFA in Saint Paul Minn

From: Norm Flasch <flasch@cushy.ece.nwu.edu>
Message-Id: <199812021510.JAA03048@cushy.ece.nwu.edu>
Subject: Re: Sparton age
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 2 Dec 1998 09:10:50 -0600 (CST)
Cc: boatanchors@sco.theporch.com (ba)
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Does anyone have any idea of when a Sparton model 1271 console radio was
> manufactured?

>

> Ken Warren K7RPX

>

Often you can tell by the tube complement. For example, I have a very

nice Sparton AM console that She likes in the bedroom:-) This is an AM only set. It uses a very interesting circuit. It has the tuning condenser (4 or 5 gangs) and coils on one chassis. NO tubes on that chassis. The 2nd chassis has the TRF tubes and they follow the tuning capacitor assy. I understand Sparton did this to avoid patent confilcts or paying royalties to RCA. The power supply and push-pull outputs are on a 3rd chassis.

This set uses 4 and 5 pin tubes like 24A and 80. So, it dates from the 20's. Later sets used octals. I'll see if I can find a model number on our set tonite. What tubes does your set have and what bands does it cover?

--

Norm Flasch Electronic Specialist ECE dept
Northwestern University Evanston, Illinois
flasch@ece.nwu.edu 847-467-4387

Date: Wed, 2 Dec 1998 9:34:03 -0800
From: GIBSON@ASTMAG.LBL.GOV
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <981202093403.2200024c@ASTMAG.LBL.GOV>
Subject: WWVC manual

Ivan Hafstrom

Have lost your e-mail. Please recontact regarding WWVC manual.

John Gibson.

Message-ID: <36657424.7276@pacbell.net>
Date: Wed, 02 Dec 1998 09:08:52 -0800
From: Ken Corwin <kenc2@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Boatanchors at the Porch <boatanchors@theporch.com>
Subject: Re: WTB: Cable set for AN/URM-25D
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, Dave -

You might consider making the three RF cables yourself. They are just regular CG-409/U coaxial cables. Nothing special about them. These descriptions are from the manual:

W104 CABLE ASSEMBLY, RF: MIL type RG-58C/U cable, 3 ft. 11" lg;

two MIL type UG-88C/U connectors, one at each end.

W105 CABLE ASSEMBLY, RF: MIL type RG-58C/U cable, 5" lg;
two MIL type UG-88C/U connectors, one at each end.

W106 Same as W105.

Hope this helps.

73, Ken Corwin, KF6NUR Santa Clarita, CA <kenc2@pacbell.net>

Message-ID: <366578AA.42A4@pacbell.net>
Date: Wed, 02 Dec 1998 09:28:10 -0800
From: Ken Corwin <kenc2@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Boatanchors List Owner <listown@jackatak.theporch.com>
Subject: Boatanchors Archive
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello, Everyone -

I've been trying to contact Jack for several months in an attempt to update the BC-348 file in the Boatanchors Archive. Jack doesn't respond to my messages and they are not being returned to me as being undeliverable. I've copied Jack on this message...did I use the correct address?

73, Ken Corwin, KF6NUR Santa Clarita, CA <kenc2@pacbell.net>

From: W4UOC@aol.com
Message-ID: <3ede2d57.36658c8b@aol.com>
Date: Wed, 2 Dec 1998 13:52:59 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Low drive on Viking Ranger
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am experiencing a strange situation regarding grid drive with a Viking Ranger I.

First of all I have checked all the obvious causes... all tubes checked good plus I tried other tubes to make sure. All major voltages are within ranges suggested in the manual.

I get good grid drive on 160 meters.... but at max on 80 meters I can get only about the minimum needed 2.5 mils. On 40 meters I get very little grid drive only about 1.5 mils but I get very good drive or grid reading on 20-15-10 which multiply off the basic 40 meter osc. I would think that if the basic 7 mhz osc was low it would have problems with the higher freqs.

One other note.... On 75 meters with a xtal I get somewhat higher grid drive maybe 3 mils. I would suspect coupling caps on the driver states but it works just fine with good drive at the higher freqs and at the lowest 160 meters. 80 and 40 seems to be the problem. I have checked all the shunts and they seem to be in good shape so the meter is reading as accurately as could be expected.

Any ideas???

From: w2ec@VNET.IBM.COM
Message-Id: <199812021917.NAA22675@sco.theporch.com>
Date: Wed, 2 Dec 98 14:17:42 EST
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-611 info needed

I hope to be getting a BC-611 soon. It's been nearly 40 years since I last used one so my memory is a bit fuzzy on it. The one I'm getting apparently doesn't have any crystals. As I recall, I need two, one for receive and one for transmit. Anybody recall if they were standard FT-243 crystals (I seem to think they were) and what the conversion formula was needed to get them on frequency (ie I expect the xmit crystal is direct, ie 3885kc to transmit on 3885kc). How about receive, I think the if was 455kc or 456kc, was the offset + or - if (receive crystal 3885.455kc or 3884.545kc for a 455kc if). Anybody have any spare matched BC-611 crystals? 3875 or 3885 preferred but anything in the 75 meter phone band much appreciated.

Also, is there a source any more for the 103.5vdc stick batteries or is there a modern alternative? How about a spare nameplate tag, this one doesn't seem to have one. Finally, whats the manual availability.

73, Ray W2EC

Message-ID: <36659EB9.490160D5@xmission.com>
Date: Wed, 02 Dec 1998 13:10:50 -0700
From: Dexter Francis <cwest@xmission.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BOATANCHORS digest 2325
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"

Content-Transfer-Encoding: 7bit

Tom -

There is at least one article in one of the Surplus Radio Conversion Handbook Volume III on converting an AN/CRC-7 to 2 meter operation. It was an Air Sea Rescue Radio. I don't recall if there was anything on sonobouys.

-- df

Looking to Buy - Sell - Trade or Swap Tubes or BA Gear?
Visit our Web Page @ <http://www.xmission.com/~cwest>

Message-ID: <36659FF1.9B2BCCB0@xmission.com>
Date: Wed, 02 Dec 1998 13:16:02 -0700
From: Dexter Francis <cwest@xmission.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Help with Gonset 151 FM Communicator.
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Greetings all -

I'm still hoping to locate a copy of the schematic, or at least the power plug pin hookups for 115 VAC, for this beast. It's business band NBFM (151 to 176 mHz) so not useful for 2 meters, but I'd just like to get it producing RF before I decide what to do with it next.

-df

Looking to Buy - Sell - Trade or Swap Tubes or BA Gear?
Visit our Web Page @ <http://www.xmission.com/~cwest>

Message-ID: <3665A4FA.AF9637C9@bw.webex.net>
Date: Wed, 02 Dec 1998 15:37:14 -0500
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-611 info needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray and the Group,

Yes, xtal's are FT-243's. 3885 rx crystal is $3885 + 455 = 4340\text{KC}$. I beleive 3885 - 455 would work just as well. There's no tuned circuit associated directly with the crystals. The 103.5V stick batteries were mercury type and probably havent been made for a long time. A bunch of 9V alkalines could be pressed into service, but a bit expensive and not a good fit. My working unit has wires hanging out the bottom.

73,
Al

w2ec@VNET.IBM.COM wrote:

>
> I hope to be getting a BC-611 soon. It's been nearly 40 years since I last
> used one so my memory is a bit fuzzy on it. The one I'm getting apparently
> doesn't have any crystals. As I recall, I need two, one for receive and
> one for transmit. Anybody recall if they were standard FT-243 crystals (I
> seem to think they were) and what the conversion formula was needed to
> get them on frequency (ie I expect the xmit crystal is direct, ie 3885kc to
> transmit on 3885kc). How about receive, I think the if was 455kc or 456kc,
> was the offset + or - if (receive crystal 3885.455kc or 3884.545kc for a 455kc
> if). Anybody have any spare matched BC-611 crystals? 3875 or 3885 preferred
> but anything in the 75 meter phone band much appreciated.
>
> Also, is there a source any more for the 103.5vdc stick batteries or is there
> a modern alternative? How about a spare nameplate tag, this one doesn't seem
> to have one. Finally, whats the manual availability.
>
> 73, Ray W2EC

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

From: w2ec@VNET.IBM.COM
Message-Id: <199812022047.0AA25427@sco.theporch.com>
Date: Wed, 2 Dec 98 15:47:25 EST
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BC-611 info needed

Ouch, before everyone jumps on me, I just re-read my message and realized I got my decimals mixed up on the crystal/if conversion. Should read 3885kc +/- 455kc, I had 3885.455kc and it should be 4340kc or 3450kc. Anyway, does

it make any difference if it's + or - in this radio?

73, Ray W2EC

Message-ID: <001d01be1e53\$561fdc40\$2019bfd1@n4fs>

From: "Mike B. Feher" <n4fs@monmouth.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: BC-611 info needed

Date: Wed, 2 Dec 1998 16:24:10 -0800

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ray -

That was a simple enough mistake and I am sure everyone realized what happened. Regarding using low or high side injection will probably only be noticeable at night during long skip and strong out of band signals. Use a regular general coverage receiver and tune to either image frequency, using low and using high side injection and decide which has less activity. (For 3885 KHz and low side injection that would be at 2975 KHz and using high side it would be at 4795 KHz). That would be a good way to find out. I expect low side would be a better choice. Otherwise it should make no difference. Years ago while using some of my BC-611s during evening hours with very strong signals, I had to use my finger on the bottom of the antenna as an RF gain control. The harder I pressed against it the more attenuation I had. On receive that antenna essentially goes in to the grid of the first tube so it is at a very high impedance. For short haul daytime activity and with no hams on the bands, as during the war, it was not a problem. There is someone out there making adapters to use a string of 9 volt batteries for the HV battery. Also not too long ago I saw on here that someone had some spare nameplates. Even if it is the wrong one it will look better than none at all. 73 - Mike

Mike B. Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

-

From: JONWEINER@aol.com

Message-ID: <29f0fea3.3665cb30@aol.com>

Date: Wed, 2 Dec 1998 18:20:16 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: WTB: Hints & Kinks 3rd Edition
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am looking for a copy of the 3rd edition ARRL Hints & Kinks. Either to buy or trade for other issues I have.

Jon, K1VVC

From: DCrespy@aol.com
Message-ID: <3393d246.3665d4c1@aol.com>
Date: Wed, 2 Dec 1998 19:01:05 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Crystal for KWM-2
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The new KWM-2 was too good to be true.. After about a week of use ('burn in'), it gave up on USB (+CW, tune and lock).. I've traced the problem to a defective BFO crystal (it even "jingles" when you tap it.. in the spirit of the season..). The crystal I need is the 456.350 kc one that mounts on the emission switch. Does anyone have a good one to spare? SS of N has them, but at \$45, I thought trying the lists first was the prudent thing to do. (Also, has anyone ever opened one up to fix it?, If so, is it likely to be back on frequency after the repair?)

Thanks,

Harry KG5LO

Date: Wed, 2 Dec 1998 20:07:21 -0500
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199812030107.UAA05868@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Low drive on Viking Ranger

Oh Tom,

excuse the vy personal APB answer but this might have some universal appeal

Independently meter the ckt. & make sure readings agree - cud be bad series R to meter

Pal's Heath SB200 just did it

M

(Howza drawers?)

Message-Id: <199812030206.VAA08410@home.gis.net>
From: "Gretchen" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Transistor - Vibrator Replacement
Date: Wed, 2 Dec 1998 21:03:47 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

A bit late, but what the hay.

Connect two transistors, each collector to an end of the transformer primary winding.(2N3055 typical, npn)
Ground both emitters.

Connect each base through a 5000 Ohm resistor (approx) to the other collector.

This resistance value is not critical, and may be as low as 500 Ohms for a 6 Volt system. Use the largest value that gives satisfactory operation.

I have used this circuit many times - it never fails! It is also slightly more efficient than a vibrator. (but has less class)

See Electric Radio, April 1998, "GRC-9 Operating Notes," Figure 3.

GL

Richard Brunner, AA1P, rbrunner@gis.net

From: Kargokult@aol.com
Message-ID: <2ab09709.36660579@aol.com>
Date: Wed, 2 Dec 1998 22:28:57 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: re: numbers on military equipment
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

the recent thread mentioning numbers on the BC-611 brought this question to mind. while looking at a BC-652 receiver here,

i began to wonder about the large "114" painted on the front panel. i've seen such numbers on other gear, and on Japanese WW2 gear, but not on german equipment. (& this is from looking at enuff gear that it would be a legitimate sampling). anyway, not to speculate on the latter part, but what for example would this "114" relate to? there's no reason for them to be matched to a specific SN transmitter.....?? the "114" is neatly stencil painted on, in yellow paint.
tnx, hue

Message-ID: <36664E27.A9680455@pixi.com>
Date: Wed, 02 Dec 1998 22:39:03 -1000
From: rcote <rcote@pixi.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Sonobouy frequencies?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom and gang, the frequencies vary according to the sonobuoy. The SSQ-38 as follows:

Ant 40" long
1 watt
FM modulation, 0-105kc deviation
life-72 hours or 24 hours, selectable at launch
single hydrophone at 300' depth.

SSQ-38
16 channels
1-162.25
2-163.00
3-163.75
4-164.50
5-165.25
and on to
ch-16 173.50

for the SSQ-41
small differences.
same power and ant size.
1 hour or 3 hours, selectable at launch.
Hydrophone 4 elements
depth 60'
31 channels as follows.

1-162.25

17-162.625
2-163.00
18-163.375
3-163.75
19-164.125
4-164.50
and so on up to
ch 31-173.125

last the SSQ-41A same specs except for depth selectable 60' or 300'

Scuttling is by passing a current through a zinc plug. The amount of current determines the amount of zinc dissolved in the water. Water then floods the electronics compartment, and this sinks the Sonobuoy.

More than you ever wanted to know.

If you want to play with yours, Tom, I have schematics and books.

Regards, Ray Cote

Thomas A. Adams wrote:

>

> Greetings, Troops.

>

> While poking around in the shop, I ran into something REALLY odd that I

> forgot I had; several US Navy sonobuoys.

>

End of BOATANCHORS Digest 2326
